

| WS FORM F-6                             |      |      |      |      |   |                     |      |               |            | STATION<br>MOUNT WASHINGTON OBSERVATORY |            |              |          |                    |                          |                    |                |  |  |
|---|------|------|------|------|---|---------------------|------|---------------|------------|---|------------|--------------|----------|--------------------|--------------------------|--------------------|----------------|--|--|
| PRELIMINARY LOCAL CLIMATOLOGICAL DATA   |      |      |      |      |   |                     |      |               |            | MONTH<br>JUNE                           |            |              |          |                    | YEAR<br>2015             |                    |                |  |  |
| LATITUDE<br>44 DEGREES 16 MINUTES NORTH |      |      |      |      | LONGITUDE<br>71 DEGREES 18 MINUTES WEST |                     |      |               |            | GROUND ELEVATION (H)<br>6280 FT         |            |              |          |                    | STANDARD TIME<br>EASTERN |                    |                |  |  |
| TEMPERATURE (°F)                        |      |      |      |      |   | PRECIPITATION (IN.) |      |               |            |   | WIND (MPH) |              |          | SUNSHINE (MINUTES) |                          | SKY COVER (TENTHS) | WEATHER OCCUR. |  |  |
|   |      |      |      |      |   | DEGREE DAYS         |      | TOTAL (EQUIV) | SNOW & ICE | SNOW/ICE ON GROUND-7AM                  | AVG SPEED  | FASTEST MILE |          | TOTAL              | % POSS                   |                    |                |  |  |
| DAY                                     | MAX  | MIN  | AVG  | NORM | DEPART                                  | HEAT                | COOL |               |            |   | SPEED      | SPEED        | DIR      |                    |                          |                    |                |  |  |
| 1                                       | 39   | 29   | 34   | 41   | -7                                      | 31                  | 0    | 1.26          | 0.0        | 0                                       | 18.0       | 38           | 150 (SE) | 0                  | 0                        | 10                 | 126            |  |  |
| 2                                       | 42   | 29   | 36   | 41   | -5                                      | 29                  | 0    | 0.12          | 0.0        | 0                                       | 21.8       | 46           | 300 (NW) | 110                | 12                       | 10                 | 126            |  |  |
| 3                                       | 45   | 26   | 36   | 42   | -6                                      | 29                  | 0    | T             | 0.0        | 0                                       | 23.6       | 48           | 020 (N)  | 753                | 81                       | 5                  | 126            |  |  |
| 4                                       | 52   | 36   | 44   | 42   | 2                                       | 21                  | 0    | 0.00          | 0.0        | 0                                       | 14.8       | 27           | 270 (W)  | 763                | 82                       | 5                  | 1              |  |  |
| 5                                       | 52   | 41   | 47   | 42   | 5                                       | 18                  | 0    | 0.22          | 0.0        | 0                                       | 24.0       | 40           | 300 (NW) | 184                | 20                       | 10                 | 12             |  |  |
| 6                                       | 43   | 30   | 37   | 43   | -6                                      | 28                  | 0    | 0.04          | 0.0        | 0                                       | 28.4       | 59           | 310 (NW) | 661                | 71                       | 6                  | 12             |  |  |
| 7                                       | 49   | 36   | 43   | 43   | 0                                       | 22                  | 0    | 0.00          | 0.0        | 0                                       | 12.7       | 45           | 220 (SW) | 864                | 92                       | 9                  | 12             |  |  |
| 8                                       | 51   | 39   | 45   | 43   | 2                                       | 20                  | 0    | 0.29          | 0.0        | 0                                       | 46.1       | 72           | 260 (W)  | 0                  | 0                        | 10                 | 12             |  |  |
| 9                                       | 51   | 43   | 47   | 43   | 4                                       | 18                  | 0    | 1.43          | 0.0        | 0                                       | 32.4       | 64           | 240 (SW) | 0                  | 0                        | 10                 | 123            |  |  |
| 10                                      | 51   | 39   | 45   | 44   | 1                                       | 20                  | 0    | 0.28          | 0.0        | 0                                       | 42.7       | 78           | 290 (W)  | 195                | 21                       | 9                  | 12             |  |  |
| 11                                      | 51   | 43   | 47   | 44   | 3                                       | 18                  | 0    | 0.03          | 0.0        | 0                                       | 53.0       | 78           | 240 (SW) | 305                | 32                       | 8                  | 123            |  |  |
| 12                                      | 54   | 42   | 48   | 44   | 4                                       | 17                  | 0    | 0.52          | 0.0        | 0                                       | 29.5       | 82           | 250 (W)  | 135                | 14                       | 10                 | 12             |  |  |
| 13                                      | 50   | 40   | 45   | 45   | 0                                       | 20                  | 0    | 0.30          | 0.0        | 0                                       | 40.7       | 83           | 260 (W)  | 637                | 68                       | 6                  | 12             |  |  |
| 14                                      | 56   | 40   | 48   | 45   | 3                                       | 17                  | 0    | 0.00          | 0.0        | 0                                       | 18.7       | 52           | 330 (NW) | 901                | 96                       | 8                  | 12             |  |  |
| 15                                      | 50   | 41   | 46   | 45   | 1                                       | 19                  | 0    | 0.07          | 0.0        | 0                                       | 25.7       | 47           | 180 (S)  | 0                  | 0                        | 10                 | 12             |  |  |
| 16                                      | 54   | 39   | 47   | 45   | 2                                       | 18                  | 0    | 0.89          | 0.0        | 0                                       | 27.6       | 73           | 320 (NW) | 191                | 20                       | 9                  | 12             |  |  |
| 17                                      | 51   | 31   | 41   | 46   | -5                                      | 24                  | 0    | 0.00          | 0.0        | 0                                       | 19.2       | 70           | 350 (N)  | 943                | 100                      | 5                  | 12             |  |  |
| 18                                      | 56   | 41   | 49   | 46   | 3                                       | 16                  | 0    | T             | 0.0        | 0                                       | 20.7       | 44           | 250 (W)  | 230                | 24                       | 9                  | 12             |  |  |
| 19                                      | 49   | 35   | 42   | 46   | -4                                      | 23                  | 0    | 0.63          | 0.0        | 0                                       | 33.0       | 56           | 300 (NW) | 368                | 39                       | 9                  | 12             |  |  |
| 20                                      | 51   | 37   | 44   | 46   | -2                                      | 21                  | 0    | 0.01          | 0.0        | 0                                       | 20.7       | 45           | 250 (W)  | 845                | 90                       | 6                  | 12             |  |  |
| 21                                      | 55   | 48   | 52   | 47   | 5                                       | 13                  | 0    | 1.03          | 0.0        | 0                                       | 30.1       | 70           | 250 (W)  | 0                  | 0                        | 10                 | 12             |  |  |
| 22                                      | 51   | 44   | 48   | 47   | 1                                       | 17                  | 0    | 0.57          | 0.0        | 0                                       | 29.1       | 71           | 280 (W)  | 0                  | 0                        | 10                 | 12             |  |  |
| 23                                      | 56   | 43   | 50   | 47   | 3                                       | 15                  | 0    | 0.55          | 0.0        | 0                                       | 44.3       | 89           | 300 (NW) | 0                  | 0                        | 10                 | 12             |  |  |
| 24                                      | 48   | 36   | 42   | 47   | -5                                      | 23                  | 0    | 0.03          | 0.0        | 0                                       | 49.6       | 81           | 310 (NW) | 595                | 63                       | 5                  | 12             |  |  |
| 25                                      | 47   | 37   | 42   | 47   | -5                                      | 23                  | 0    | 0.00          | 0.0        | 0                                       | 36.9       | 67           | 300 (NW) | 432                | 46                       | 8                  | 12             |  |  |
| 26                                      | 49   | 38   | 44   | 47   | -3                                      | 21                  | 0    | 0.00          | 0.0        | 0                                       | 10.6       | 34           | 360 (N)  | 604                | 64                       | 8                  | 12             |  |  |
| 27                                      | 50   | 35   | 43   | 48   | -5                                      | 22                  | 0    | T             | 0.0        | 0                                       | 17.0       | 59           | 140 (SE) | 343                | 36                       | 9                  | 12             |  |  |
| 28                                      | 44   | 33   | 39   | 48   | -9                                      | 26                  | 0    | 0.78          | 0.0        | 0                                       | 38.8       | 83           | 090 (E)  | 0                  | 0                        | 10                 | 12             |  |  |
| 29                                      | 45   | 37   | 41   | 48   | -7                                      | 24                  | 0    | 0.24          | 0.0        | 0                                       | 29.5       | 47           | 280 (W)  | 0                  | 0                        | 10                 | 12             |  |  |
| 30                                      | 55   | 39   | 47   | 48   | -1                                      | 18                  | 0    | 0.10          | 0.0        | 0                                       | 15.8       | 48           | 180 (S)  | 540                | 57                       | 8                  | 12             |  |  |
| SUM                                     | 1497 | 1127 | ---- | ---- | ----                                    | 631                 | 0    | 9.39          | 0.0        | ----                                    | 855.0      | ----         | ----     | 10599              | ----                     | 252                | ----           |  |  |
| AVG                                     | 49.9 | 37.6 | ---- | ---- | ----                                    | ----                | ---- | ----          | ----       | ----                                    | 28.5       | FASTEST      | DIR      | POSS %             | 38%                      | 8.4                | ----           |  |  |
|   |      |      |      |      |   |                     |      |               |            |   | MISC. ->   | 89           | 300 (NW) | 28193              |                          |                    |                |  |  |

  

| TEMPERATURE DATA (°F)           |                        | PRECIPITATION DATA (IN.)    |                  | WEATHER                   |    | SYMBOLS USED IN COLUMN 16     |  |
|---------------------------------|------------------------|-----------------------------|------------------|---------------------------|----|-------------------------------|--|
| AVERAGE MONTHLY                 | 43.7                   | TOTAL FOR THE MONTH         | 9.39             | NUMBER OF DAYS:           |    | 1 = FOG                       |  |
| DEPARTURE FROM NORMAL           | -1.3                   | DEPARTURE FROM NORMAL       | 0.99             |                           |    | 2 = FOG REDUCING VISIBILITY   |  |
| HIGHEST                         | 56 on 14th, 18th, 23rd | 24 HOUR MAX                 | 1.67 on 9th/10th | CLEAR (SCALE 0-3)         | 0  | TO 1/4 MILE OR LESS           |  |
| LOWEST                          | 26 on 3rd              |                             |                  | PARTLY CLOUDY (SCALE 4-7) | 7  |                               |  |
|                                 |                        | SNOWFALL, ICE PELLETS (IN.) |                  | CLOUDY (SCALE 8-10)       | 23 | 3 = THUNDER                   |  |
| NUMBER OF DAYS WITH:            |                        |                             |                  |                           |    | 4 = ICE PELLETS               |  |
|                                 |                        | TOTAL FOR THE MONTH         | 0.0              | WITH .01" OR MORE PRECIP  | 21 | 5 = HAIL                      |  |
| MAX. 32 OR BELOW                | 0                      | 24 HOUR MAX                 | N/A on N/A       | WITH .10" OR MORE PRECIP  | 16 | 6 = GLAZE OR RIME             |  |
| MAX. 90 OR ABOVE                | 0                      | MAX DEPTH ON GROUND         | N/A on N/A       | WITH .50" OR MORE PRECIP  | 9  | 7 = BLOWING DUST OR SAND      |  |
| MIN. 32 OR BELOW                | 5                      |                             |                  | WITH 1.0" OR MORE PRECIP  | 3  | RED. VIS. TO 1/2 MILE OR LESS |  |
| MIN. 0 OR BELOW                 | 0                      | PRESSURE DATA (IN.)         |                  |                           |    | 8 = SMOKE OR HAZE             |  |
|                                 |                        |                             |                  |                           |    | 9 = BLOWING SNOW              |  |
| HEATING DEGREE DAYS (BASE 65°F) |                        | HIGHEST SEA-LEVEL           | 30.418 on 4th    |                           |    | X = TORNADO                   |  |
|                                 |                        | LOWEST SEA-LEVEL            | 29.715 on 9th    |                           |    |                               |  |
| TOTAL THIS MONTH                | 631                    | AVG STATION                 | 23.859           |                           |    |                               |  |
| DEPARTURE FROM NORMAL           | 29                     |                             |                  |                           |    |                               |  |
| SEASON TOTAL                    | 13998                  |                             |                  |                           |    |                               |  |
| DEPARTURE FROM NORMAL           | 287                    |                             |                  |                           |    |                               |  |
| COOLING DEGREE DAYS (BASE 65°F) |                        |                             |                  |                           |    |                               |  |
|                                 |                        |                             |                  |                           |    |                               |  |
| TOTAL THIS MONTH                | 0                      |                             |                  |                           |    |                               |  |
| DEPARTURE FROM NORMAL           | 0                      |                             |                  |                           |    |                               |  |
| SEASON TOTAL                    | 0                      |                             |                  |                           |    |                               |  |
| DEPARTURE FROM NORMAL           | 0                      |                             |                  |                           |    |                               |  |

  

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| NOTES:   |  |  |  |  |
| 5TH: DAILY PRECIPITATION TOTAL PARTIALLY ESTIMATED DUE TO UNREALISTICALLY HIGH AMOUNT AT ONE COLLECTION. |  |  |  |  |
| 12TH: DAILY AVERAGE WIND SPEED CONTAINS 1 HR OF ESTIMATED SPEEDS DUE TO DATABASE OUTTAGE.                |  |  |  |  |
| 23RD: DAILY AVERAGE WIND SPEED CONTAINS 2 HRS OF ESTIMATED SPEEDS DUE TO DATABASE OUTTAGE.               |  |  |  |  |

  

| AVG RELATIVE HUMIDITY FOR EACH SYNOPTIC HOUR |      |      |      |       |
|--|------|------|------|-------|
| 0600   | 1200 | 1800 | 0000 | MONTH |
| 83   | 84   | 91   | 86   | 86    |

  

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| NOTE: PEAK GUST (COL. 11) ENTERED IN PLACE OF FASTEST MILE RECORDED FROM PITOT-STATIC TYPE ANEMOMETER. |
| THERE WERE 207 HOURS OF PREVAILING WINDS FROM THE NW 29% OF THE TOTAL HOURS OF THE MONTH.              |